

IN THE SPECIFICATION:

Kindly amend the paragraph beginning on page 3, line 4, as follows:

According to a ninth aspect of the present invention, each tap of the first FIR filter has a corresponding coefficient W as follows:

$$W_0 = \text{unity}$$

$$0 < \sum_1^M W_{-i} + W_0 + \sum_1^n W_i < 1, \text{ and}$$

$$-1 \leq W_1, \dots, W_n \leq 0.$$

Kindly amend the paragraph beginning on page 4, line 25, as follows:

According to a twenty-ninth aspect of the present invention, each tap of the first FIR filter means has a corresponding coefficient W as follows:

$$W_0 = \text{unity}$$

$$0 < \sum_1^M W_{-i} + W_0 + \sum_1^n W_i < 1, \text{ and}$$

$$-1 \leq W_1, \dots, W_n \leq 0.$$

Kindly amend the paragraph beginning on page 8, line 25, as follows:

The selection of the coefficients W is critical in providing the response defined in Fig. 5. To achieve this response, the selection of the coefficients W is critical. The appropriate selection of coefficients $W_1 \dots W_n$ determines the sharpness of the response, and the appropriate selection of coefficients $W_{-m} \dots W_{-1}$ effectively cancels the precursor tail. In the present embodiment the coefficients are selected from the following constraints:

$$W_0 = \text{unity}$$

$$0 < \sum_1^M W_{-i} + W_0 + \sum_1^n W_i < 1$$

$$-1 \leq W_1, \dots, W_n \leq 0,$$

in the preferred embodiment

$$W_0=1$$

$$W_{-1}=-0.1$$

$$W_{-1}+W_0+W_1+W_2+W_3=0.1$$

$$|W_1| > |W_2| > |W_3|$$

$$-1 \leq W_1, W_2, W_3 \leq 0, \text{ preferably } W_1=-.35, W_2=-.25, \text{ and } W_3=-.20.$$